

Title (en)

OPEN OFF-THE-ROAD TIRE CORD WITH PREFORMED FILAMENTS

Title (de)

OFFENER VERSTÄRKUNGSCORD FÜR GELÄNDEREIFEN MIT VORGEFORMTEN FILAMENTEN

Title (fr)

CABLE METALLIQUE AVEC FILS PREFORMES POUR PNEU POUR SERVICE HORS-ROUTE

Publication

**EP 2550392 A1 20130130 (EN)**

Application

**EP 11707379 A 20110224**

Priority

- CN 2010000353 W 20100323
- EP 2011052740 W 20110224

Abstract (en)

[origin: WO2011116493A1] A steel cord (10) for reinforcing rubber product comprised core strands (12) and outer strands (14), the outer strands (14) are helically twisted around the core strands (12). Each of the strands including core strands (12) and outer strands (14) comprises core steel filaments (20) with the number of m and outer steel filaments (22) with the number of n. the diameter of the core steel filament (20) in the core strand (12) is Dec, the diameter of the outer steel filament (22) in the core strand (12) is Doc, the diameter of the core steel filament (20) in the outer strand (14) is Deo, the diameter of the outer steel filament (22) in the outer strand (14) is Doo, the ratio of Dec/Doc is not less than 1.04, the ratio of Dco/Doo is not less than 103, the ratio of Doc/Deo is not less than 1. The core steel filaments (20) and outer steel filaments (22) are polygonally preformed before being twisted into strands. The steel cord (10) is used for reinforcing off-the-road tire.

IPC 8 full level

**D07B 1/06** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2011117040A1

Designated contracting state (EPC)

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